

RUN HARD. DREAM BIG.™



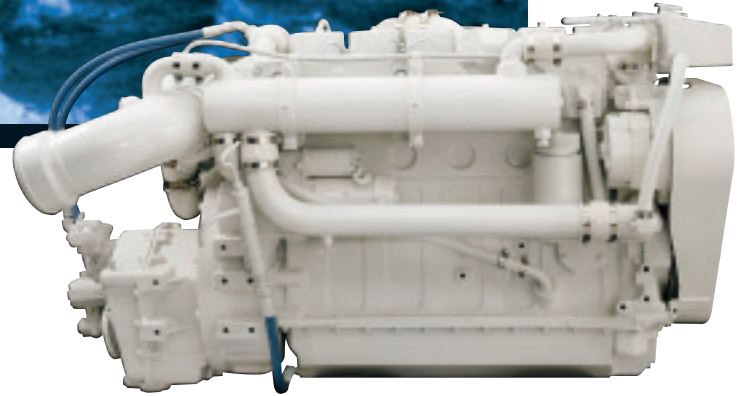
6BTA

MARINE

168 - 235 KW
225 - 315 HP

ENGINE SPECIFICATIONS

Configuration	In-line 6 Cylinder, 4-Stroke Diesel
Bore & Stroke	102 mm x 120 mm (4.02 in x 4.72 in)
Displacement	5.9 L (359 in ³)
Rotation	Counterclockwise facing flywheel



POWER RATINGS

Power Rating	Medium Continuous		Intermittent	
	(JWAC)**	(SWAC)*	(JWAC)*	(SWAC)*
Rated RPM	2500	2600	2600	2800
kW (BHP)	168 (225)	209 (280)	194 (260)	235 (315)
Max Torque N·m (ft·lb)	827 (610)	841 (620)	925 (682)	926 (683)
RPM	1500	2200	1800	2000

JWAC - Jacketwater Aftercooled

SWAC - Seawater Aftercooled

*Ratings are IMO emissions compliant

**IMO emissions certification is pending.

FEATURES AND BENEFITS

Engine Design

Compact size for ease of installation with easy access for routine maintenance. Four stroke cycle combustion for quiet and fuel efficient operation.

Cooling System

Low profile heat exchanger configuration. Spin-on Fleetguard water treatment filter.

Fuel System

Bosch inline fuel pump with high injection pressure for improved performance.

Lubrication System

Standard capacity 14 L (3.6 g) or high capacity 31 L (8.1 g) marine grade, cast aluminum oil pan. Spin-on Fleetguard lube oil filters. Handed filter and dipstick locations for ease of maintenance.

Electrical System

12-volt and 24-volt systems available. Marine grade wiring harness and instrument panels.

Manufacturing

ISO certified plants.

U.S. Navy Certified

Tested and certified for the U.S. Navy's 1,000 hour abuse cycle test.

IMO Emissions Certified

Certificates of Compliance are available from the U.S. EPA and Lloyd's Register of Shipping.

AVAILABLE ACCESSORIES

Air Cleaner: Light or heavy duty.

Auxiliary Pump

Hydraulic Pump Drive: SAE A or B flange.

Walker Air Sep: Closed crankcase ventilation system

Accessory Drive Pulley: Belt or gear driven

Marine Classification Society Approvals: Check with your local Cummins professional for an updated listing.

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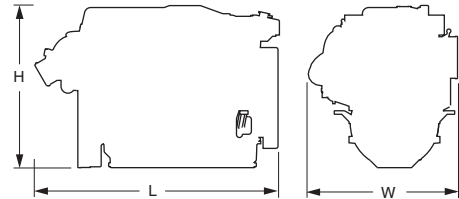
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ENGINE DIMENSIONS

		Length		Width		Height		Weight	
		mm	in	mm	in	mm	in	kg	lb
Keel Cooled	JWAC	1028.1	40.48	825.9	32.52	837.2	32.96	469	1035
	SWAC	1041	41	816	32.15	771.2	30.4	538	1185
Heat Exchanger	JWAC	1028.1	40.48	825.9	32.52	837.2	32.96	517	1140
	SWAC	1041	41	816	32.15	771.2	30.4	581	1280



PERFORMANCE DATA

Rating	Medium Continuous (JWAC)				Medium Continuous (SWAC)*			
rpm	2500	2300	2100	1900	2600	2400	2200	2000
kW	168	134	105	80	209	168	133	103
g/kW-hr	234	230	230	237	217	227	222	228
L/hr	46.9	35.9	27.1	20.9	54.1	44.3	35.1	28.1
bhp	225	180	141	107	280	226	178	138
lb/hp-hr	.386	.380	.379	.389	.358	.362	.366	.375
gal/hr	12.4	9.5	7.2	5.5	14.3	11.7	9.3	7.4

Rating	Intermittent (JWAC)				Intermittent (SWAC)*			
rpm	2600	2400	2200	2000	2800	2600	2400	2200
kW	194	156	124	96	235	188	144	113
g/kW-hr	246	234	232	235	227	225	234	235
L/hr	56.8	42.4	32.3	24.7	63.7	50.5	40.1	31.6
bhp	260	209	166	128	315	252	193	152
lb/hp-hr	.404	.384	.379	.386	.373	.372	.385	.387
gal/hr	15.0	11.2	8.5	6.5	16.8	13.4	10.6	8.4

*Ratings are IMO emissions compliant.

Above data represents performance along a 2.7 fixed pitch propeller curve. Fuel consumption has a tolerance of +5% and is based on fuel of 35° API gravity at 16 °C (60 °F) having an LHV of 42,780 KJ/KG (18,390 BTU/lb) when used at 29 °C (85 °F) and weighing 838.9 g/liter (7.001 lb/US gal). Observed horsepower is certified within ± 5% of rated horsepower. Cummins has always been a pioneer in product improvement. Thus specifications may change without notice. Consult your local Cummins professional for further information.

Rating Definitions

Ratings are based on ISO 8665 conditions of 100kPa(29.612 in Hg) and 25 °C (77 °F) and 30% relative humidity. Propeller shaft power represents the net power available after typical gear losses and is 97% of rated power. Power rated in accordance with IMCI procedures.

Medium Continuous Duty

Intended for continuous use in variable load applications where full power is limited to six hours out of every twelve hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is for applications that operate less than 3,000 hours per year.

Intermittent Duty

Intended for intermittent use in variable load applications where full power is limited to two hours out of every eight hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is intended for applications that operate less than 1,500 hours per year.



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